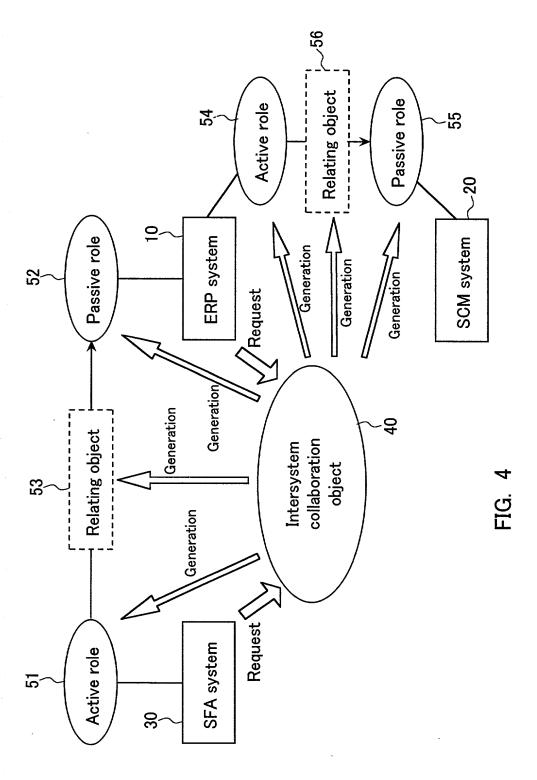
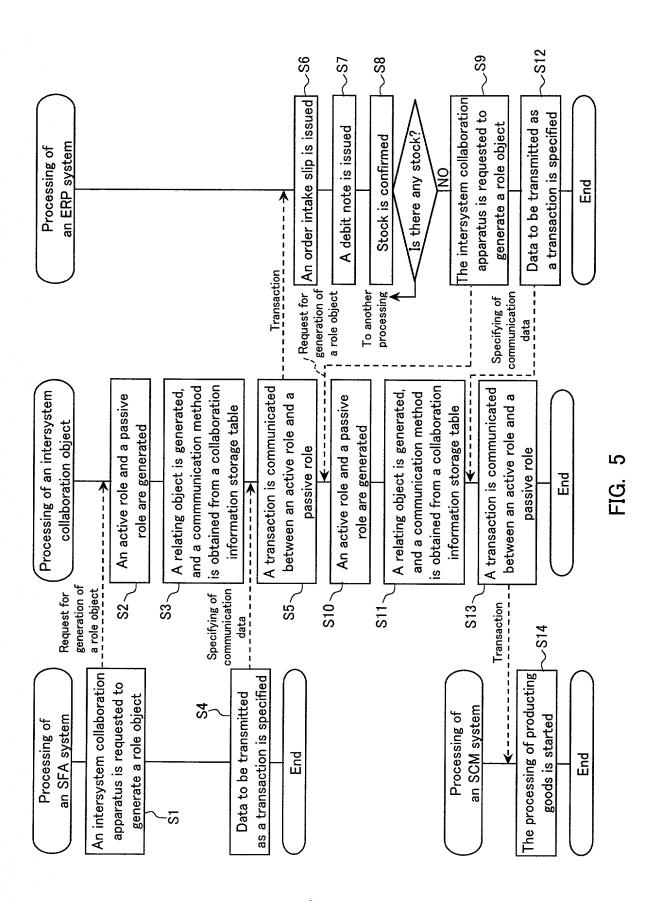


FIG. 2

Path	Communication method
SFA → ERP	Real
ERP → SCM	Delayed batch

FIG. 3





5/19

Attribute	Update	Data	Attribute	Update	Data
tag T ₁	flag F ₁	part D ₁	tag T $_2$	flag F ₂	part D_2 (

FIG. 6

Path	Communication method
SFA → ERP	Real
ERP → SCM	Delayed batch
Sales Accounting subsystem	Real
Accounting Stock management subsystem	Real
Stock management Production collaboration subsystem	Batch

FIG. 7

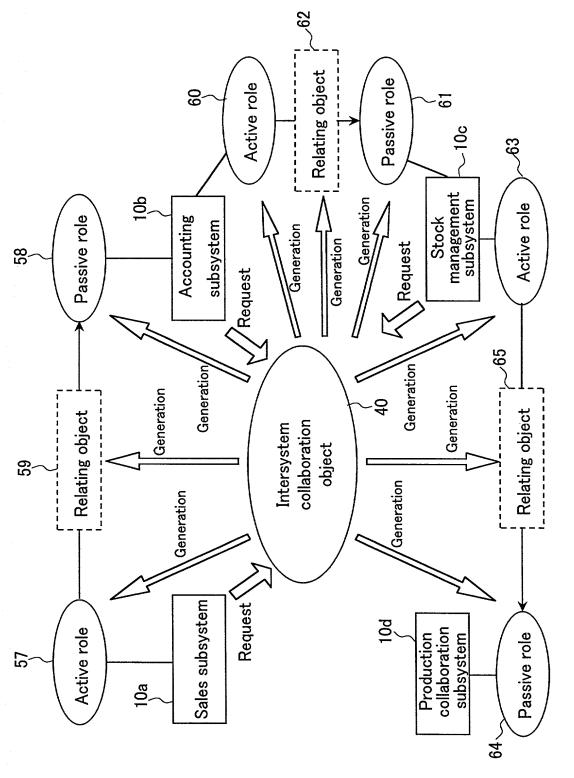


FIG.

 ∞

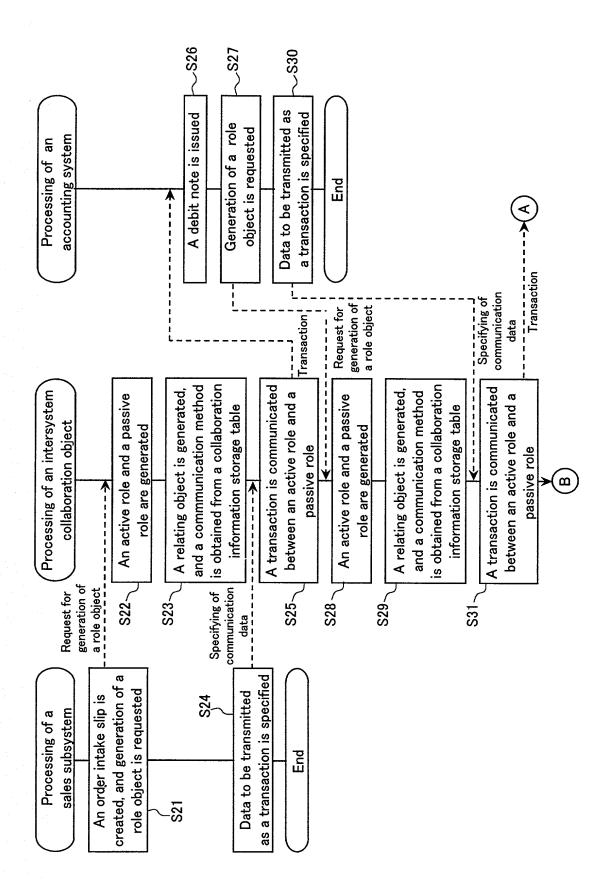
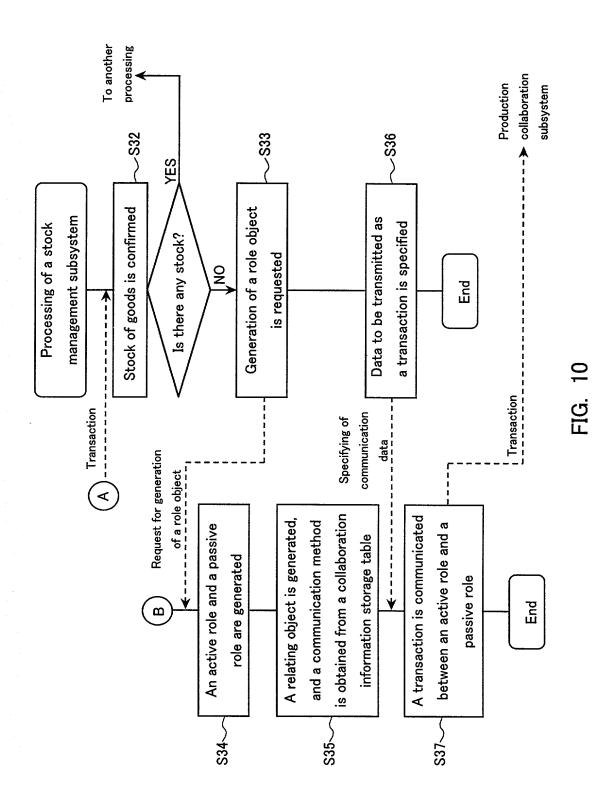


FIG. 9



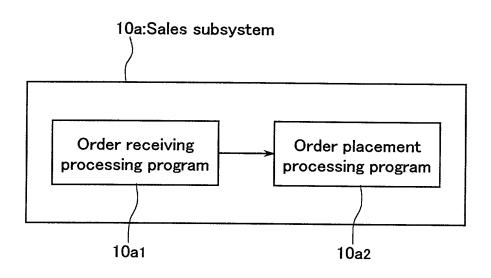
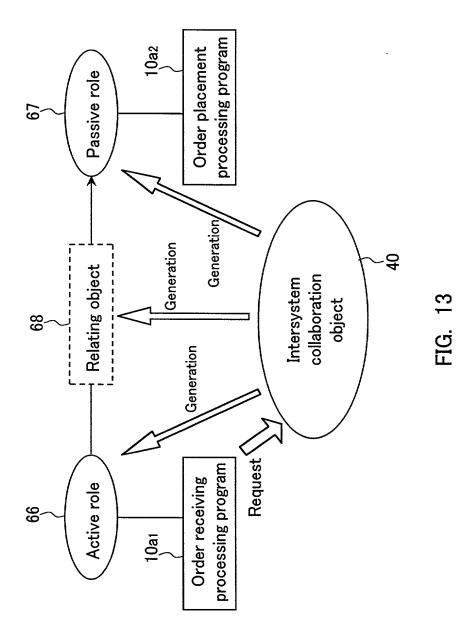


FIG. 11

Path	Communication method
Order receiving Order placement processing program processing program	m Real

FIG. 12



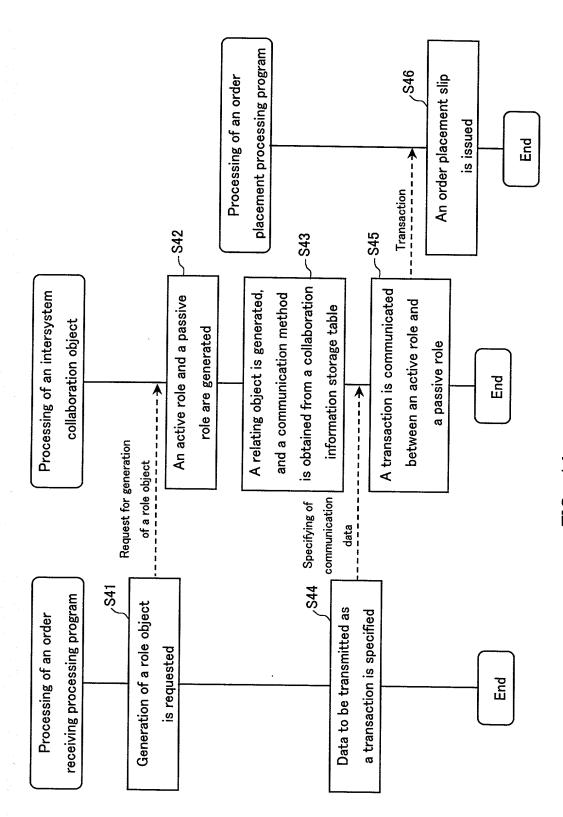


FIG. 14

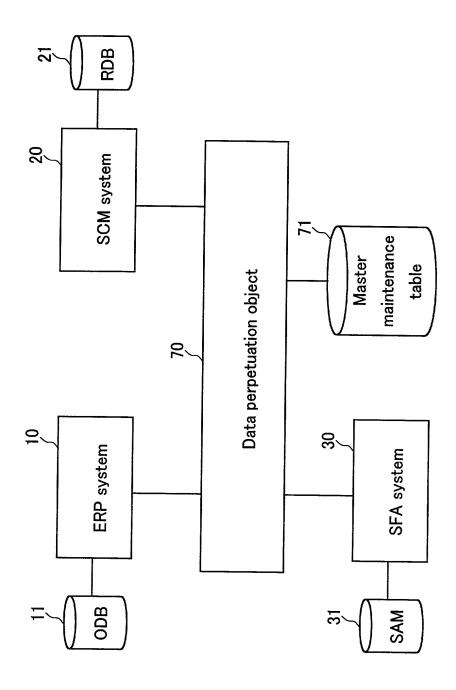


FIG. 15

Path	Communication method
ERP → SCM	Real
SCM → SFA	Delayed batch

FIG. 16

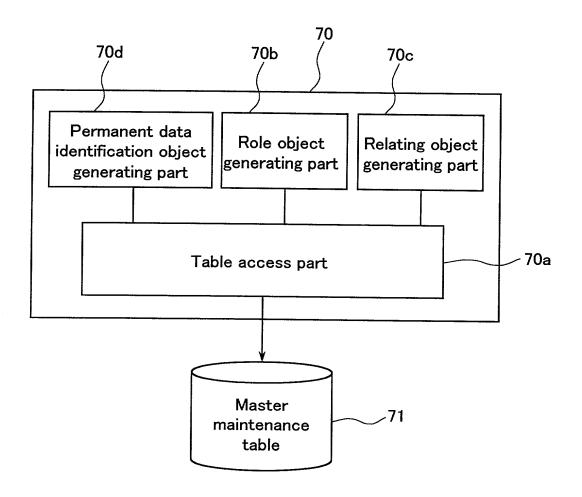
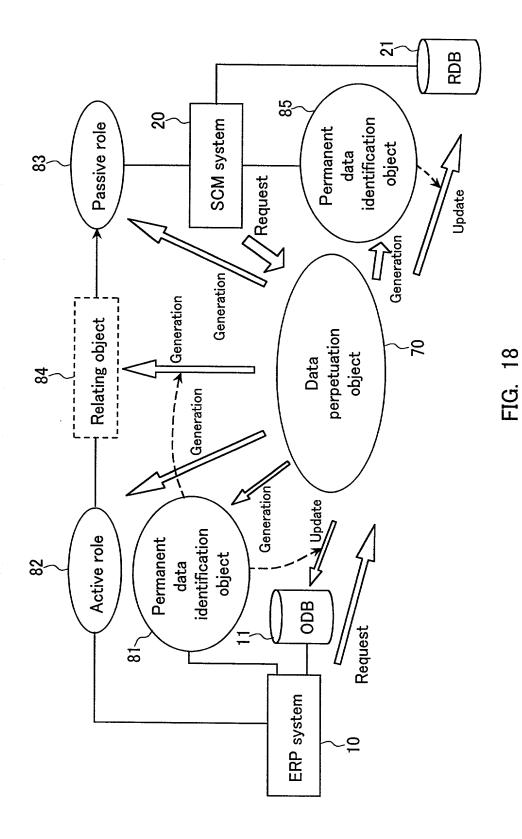


FIG. 17



18/19

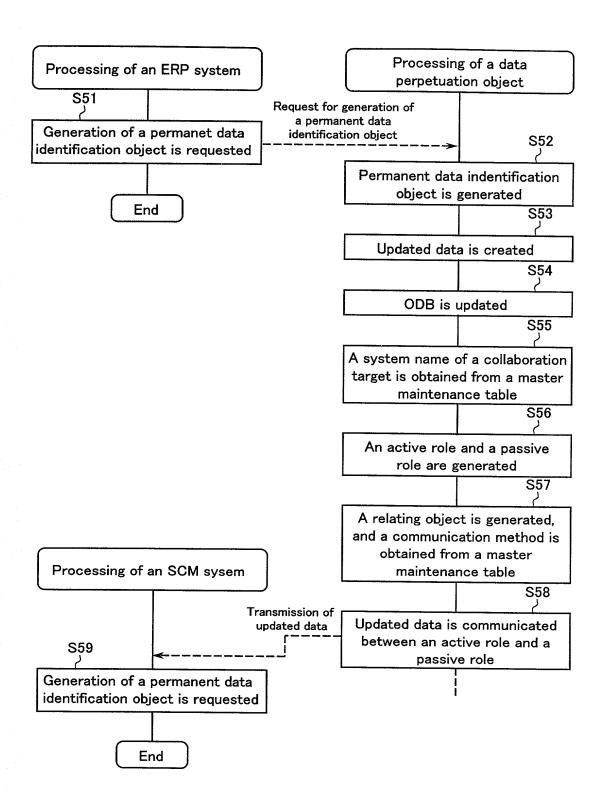


FIG. 19